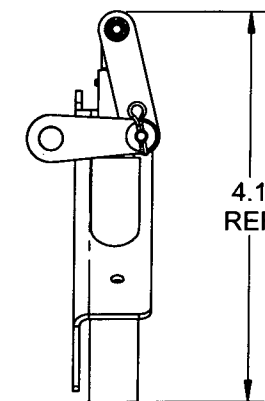
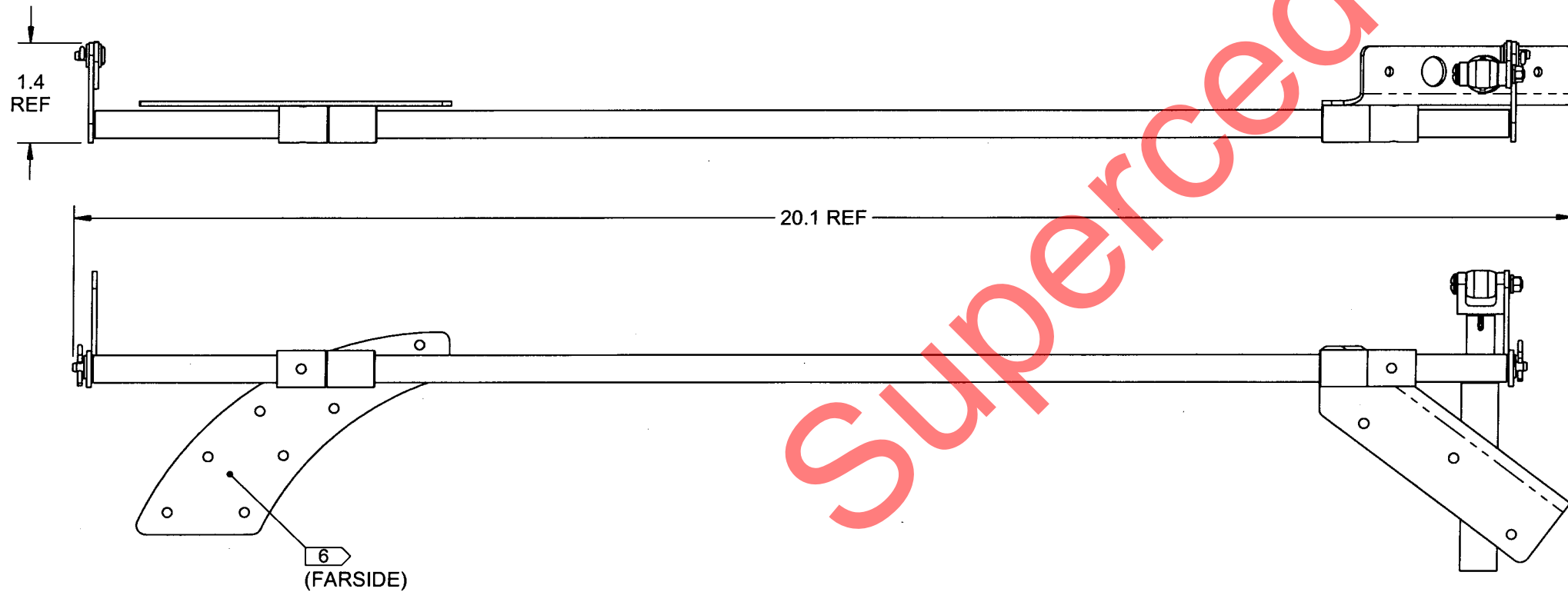
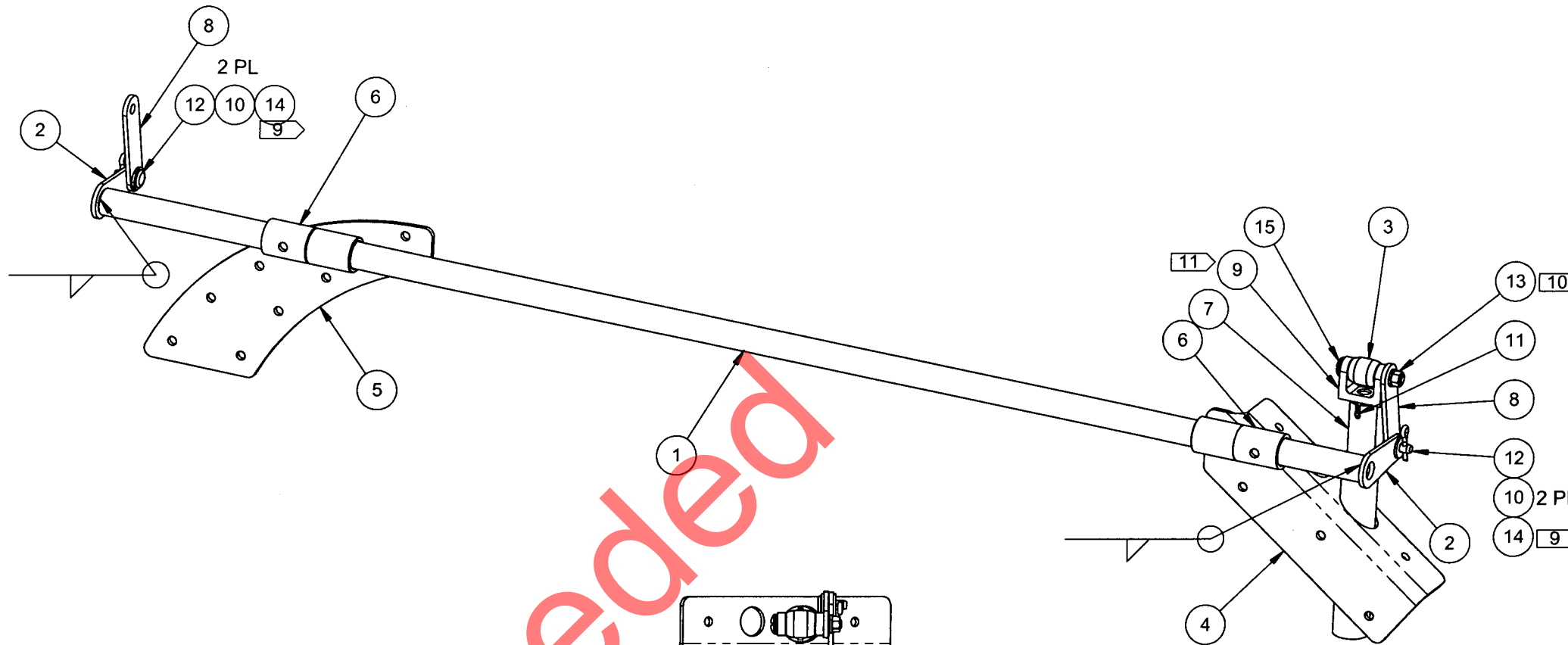


ITEM	QTY -041	P/N	DESCRIPTION
	X	D4576-041	HORIZONTAL LINKAGE ASS'Y
1	1	D3589-1	ARM
2	2	D3589-13	LUG
3	1	D4530-1	ROLLER
4	1	D4576-043	FORWARD PLATE WELDMENT
5	1	D4576-045	AFT PLATE WELDMENT
6	2	D4576-3	STOP COLLAR
7	1	D4576-7	LATCH SHAFT
8	2	D4576-11	LINK
9	1	D4578-041	LATCH WELDMENT
10	4	AN960JD4	WASHER
11	1	MS16562-193	SPRING PIN
12	2	MS20392-1C7	PIN
13	1	MS21043-06	HEX NUT, SELF LOCKING, #6
14	2	MS24665-1010	COTTER PIN
15	1	MS51957-33	SCREW, PN-HD, #6



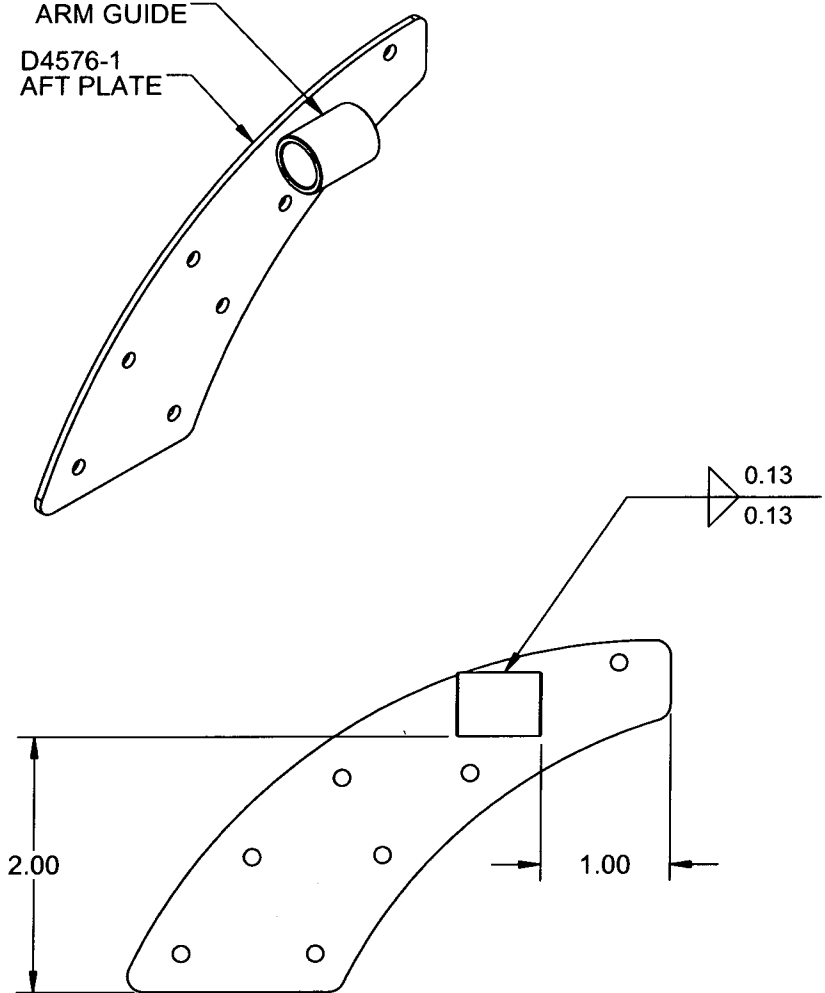
**SUPERCEDED BY**  
12.03.07

# **D4576-041 HORIZONTAL LINKAGE ASS'Y**

- NOTES:**
- 1) MATERIAL: N/A
  - 2) FINISH: N/A
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: PER DART QSI 044 6.1
  - 7) WEIGHT: 0.9 lbs
  - 8) WELDING: PER DART QSI 004
  - 9) INSTALL COTTER PIN IN ACCORDANCE WITH MS33540
  - 10) DO NOT OVER-TIGHTEN ALLOW LUG TO MOVE FREELY
  - 11) INCREASE HOLE DIAMETER ON LATCH WELDMENT D4578-041 TO 0.140

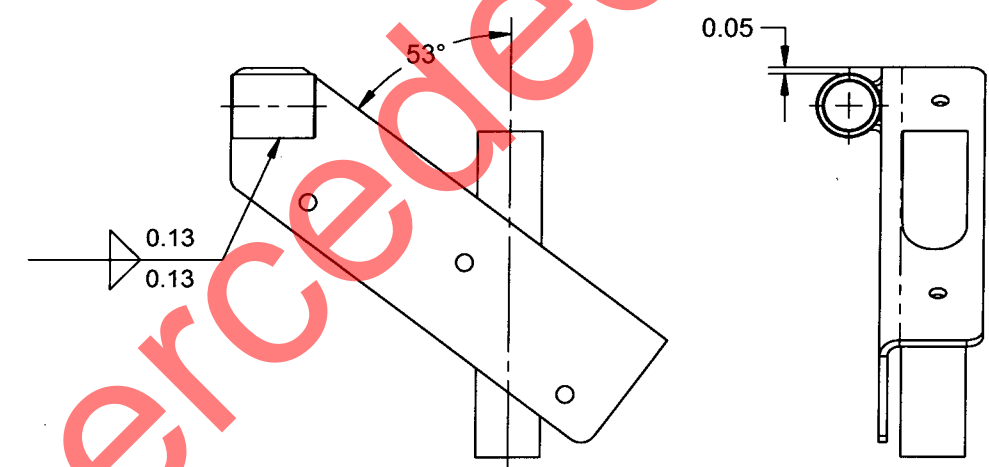
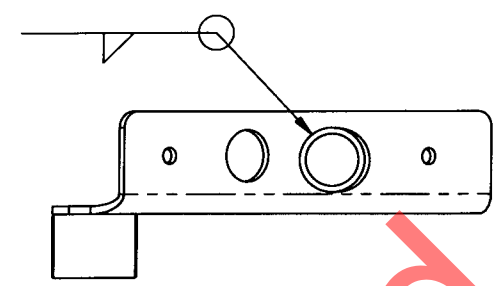
A	NEW ISSUE	RP	12.02.24
REV.	DESCRIPTION	BY	DATE
DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	A.P.	DRAWING NO.	REV. A
MFG. APPR.		D4576	SHEET 1 OF 7
APPROVED		TITLE	SCALE
DE APPR.		HORIZONTAL LINKAGE ASSY	NTS
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D3589-3  
ARM GUIDE  
D4576-1  
AFT PLATE



D4576-045 AFT PLATE WELDMENT

ITEM	QTY -045	P/N	DESCRIPTION
1	1	D4576-1	AFT PLATE
2	1	D3589-3	ARM GUIDE



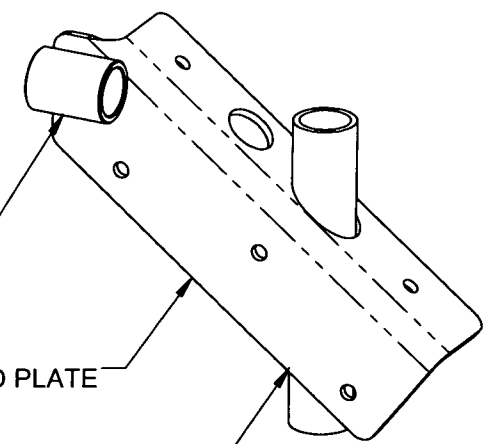
D4576-043 FORWARD PLATE WELDMENT

ITEM	QTY -043	P/N	DESCRIPTION
1	1	D4576-9	FORWARD PLATE
2	1	D3589-3	ARM GUIDE
3	1	D4576-5	FORWARD PLATE GUIDE

D3589-3  
ARM GUIDE

D4576-9  
FORWARD PLATE

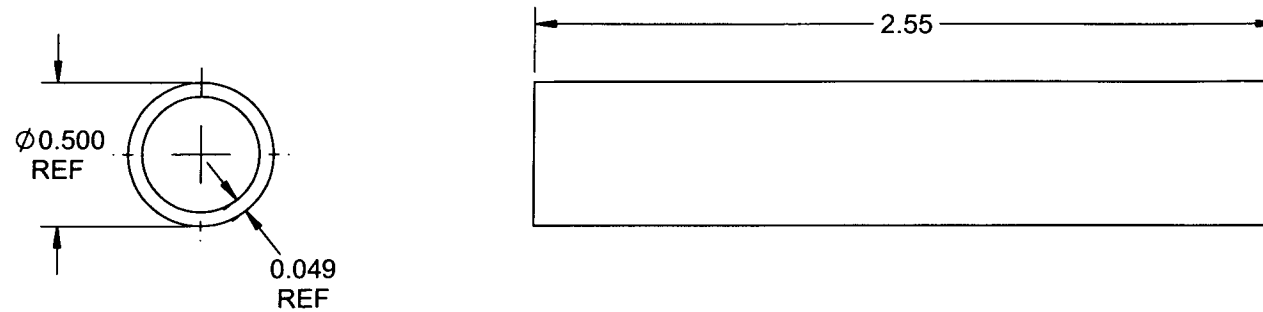
D4576-5  
FORWARD PLATE GUIDE



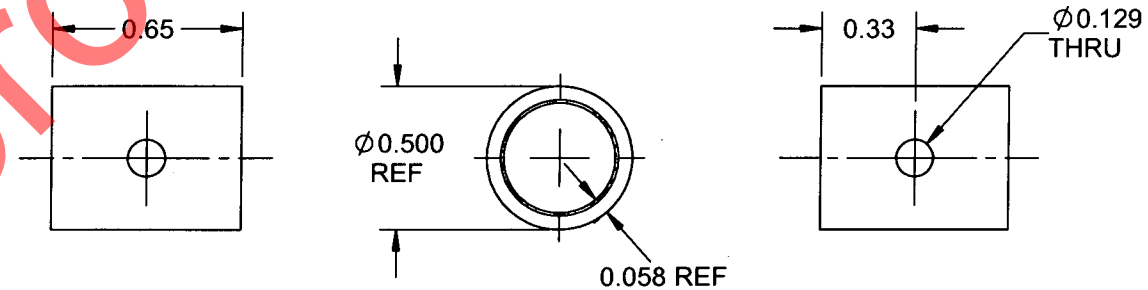
- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: N/A
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
  - 7) WEIGHT:
    - D4576-043 = 0.19 lbs
    - D4576-045 = 0.16 lbs
  - 8) WELD PER DART QSI 004

DESIGN	RP	<b>DART AEROSPACE LTD</b>	
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CHECKED	A.P.	DRAWING NO.	REV. A
MFG. APPR.	[Signature]	D4576	SHEET 2 OF 7
APPROVED	[Signature]	TITLE	SCALE
DE APPR.	[Signature]	HORIZONTAL LINKAGE ASSY NTS	
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12.03.07



**D4576-5 FORWARD PLATE GUIDE**



**D4576-3 STOP COLLAR**

**SUPERCEDED BY**  
 12.03.07

**NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SEAMLESS ROUND TUBING  
 D4576-3: 0.500 O.D. X 0.058 WALL (REF. DART SPEC M304TR0.500W.058)  
 D4576-5: 0.500 O.D. X 0.049 WALL (REF. DART SPEC M304TR0.500W.049)
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT: - D4576-3 = 0.01 lbs ea.  
 - D4576-5 = 0.06 lbs

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
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CHECKED	AP	DRAWING NO. <b>D4576</b>	REV. A
MFG. APPR.	MP		SHEET 3 OF 7
APPROVED	ST	TITLE <b>HORIZONTAL LINKAGE ASSY</b>	SCALE NTS
DE APPR.			
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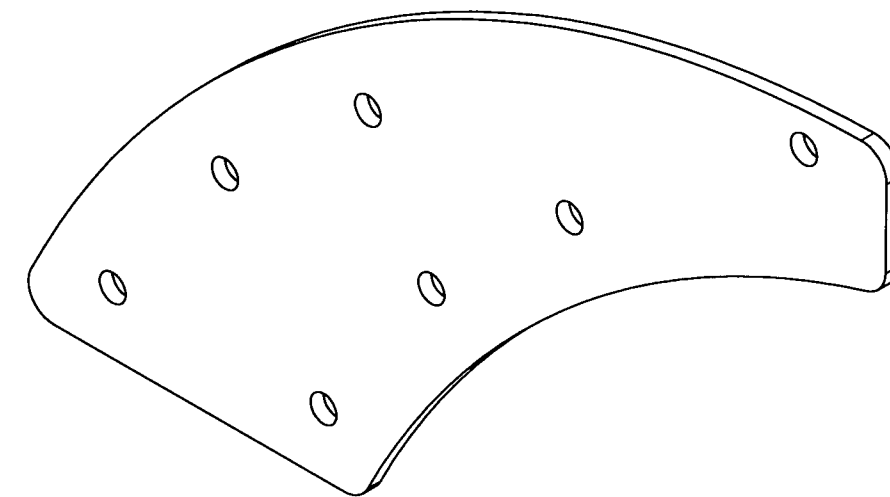
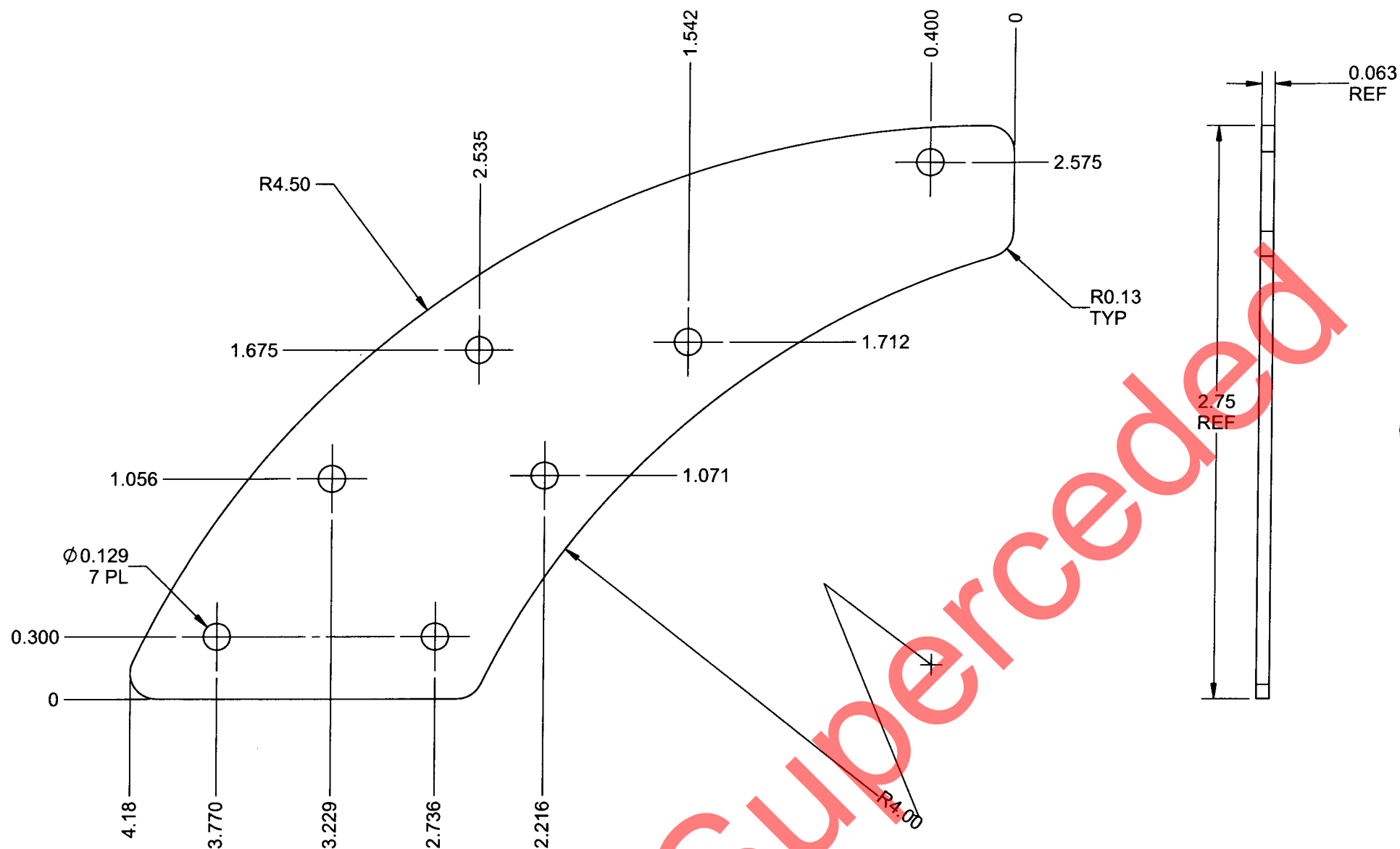
8 7 6 5 4 3 2 1

D

C

B

A



**D4576-1 AFT PLATE**

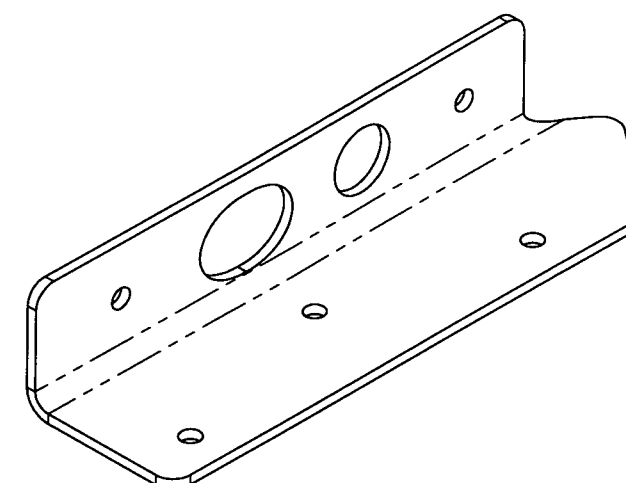
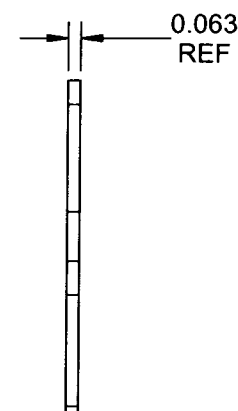
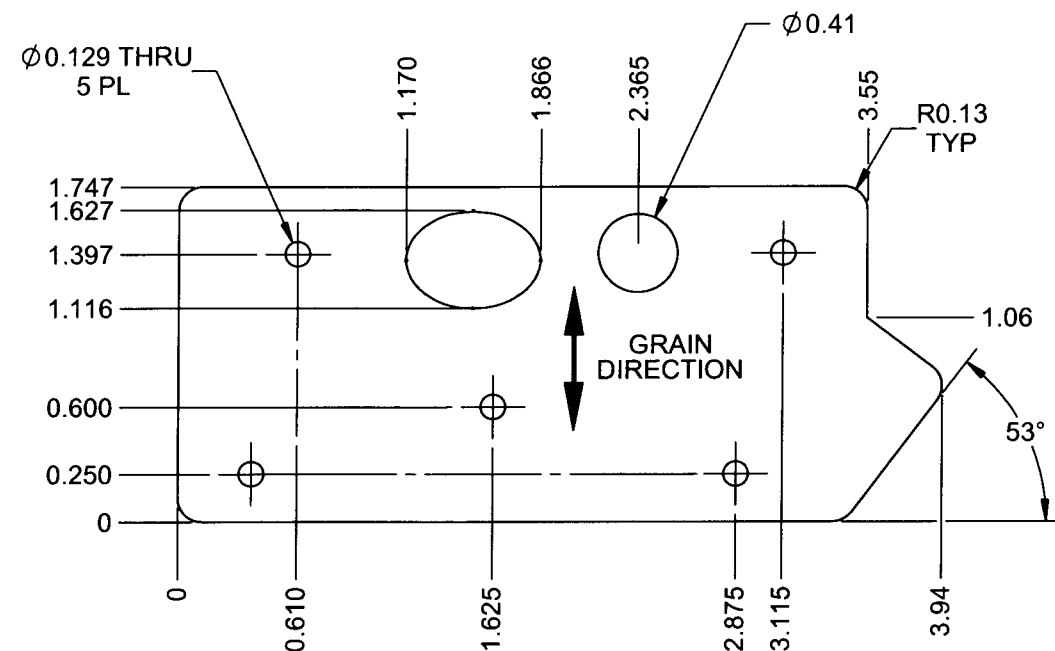
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**12.03.07**

**NOTES:**

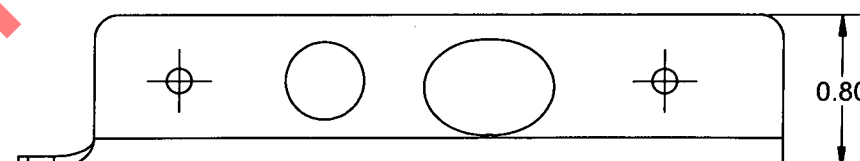
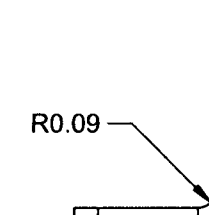
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET, PER AMS 5513 OR AMS 5524, OR MIL-S-5059 (ANNEALED) 2B FINISH 16 GAUGE (0.063 THICK), (REF. DART SPEC M304S16GA)
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044-6.6 OR 6.7
- 7) WEIGHT: 0.09 lbs

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DRAWN	RP		
CHECKED	<i>AD</i>	DRAWING NO.	REV. A
MFG. APPR.	<i>[Signature]</i>	<b>D4576</b>	SHEET 4 OF 7
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	<b>HORIZONTAL LINKAGE ASSY</b>	NTS.
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8 7 6 5 4 3 2 1



**D4576-9F FORWARD PLATE (FLAT PATTERN)**



**D4576-9 FORWARD PLATE  
(MADE FROM D4576-9F)**

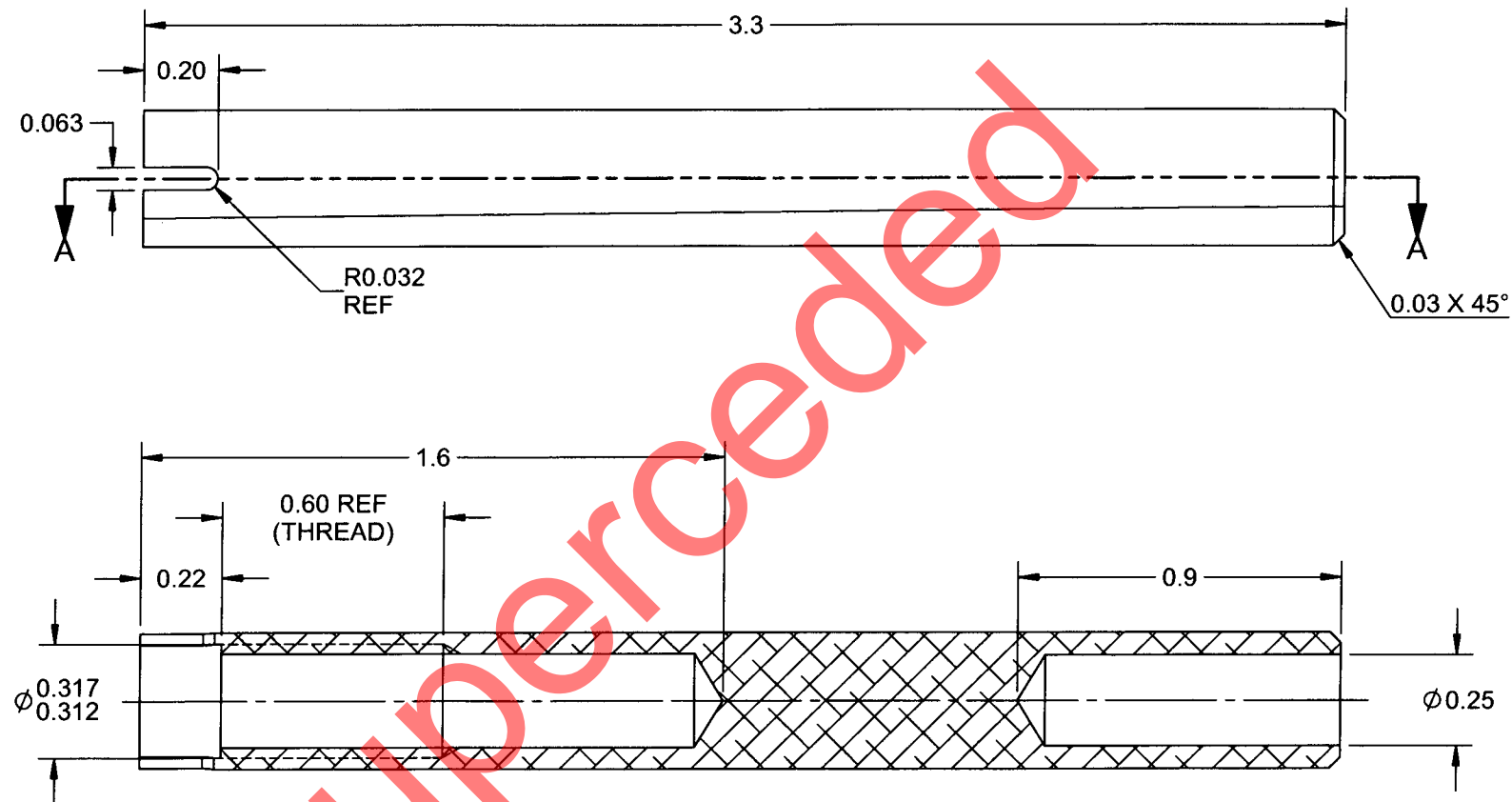
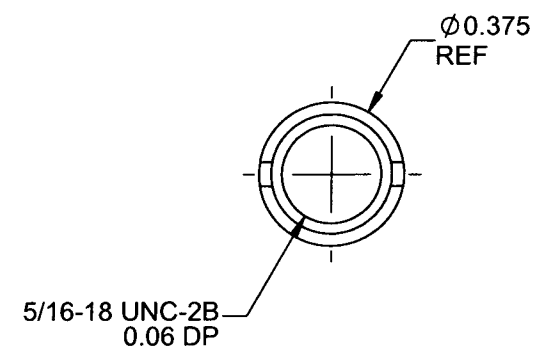
**NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET, PER AMS 5513 OR AMS 5524, OR MIL-S-5059 (ANNEALED) 2B FINISH 16 GAUGE (0.063 THICK), (REF. DART SPEC M304S16GA)
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044.6.6 OR 6.7
- 7) WEIGHT: 0.11 lbs

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DRAWN	RP		
CHECKED	AP	DRAWING NO.	REV. A
MFG. APPR.	JP	<b>D4576</b>	SHEET 5 OF 7
APPROVED	JP	TITLE	SCALE
DE APPR.	JP	<b>FORWARD PLATE</b>	NTS
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**SECTION A-A**

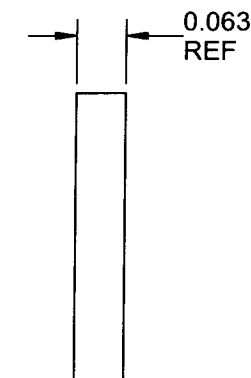
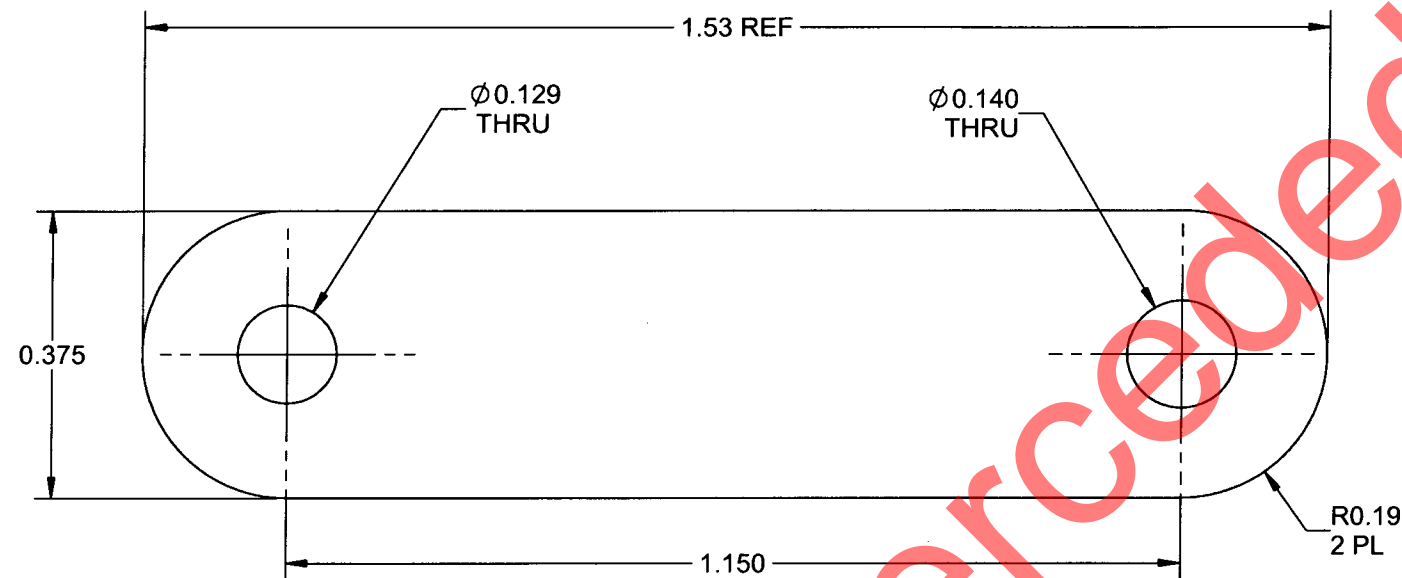
**D4576-7 LATCH SHAFT**

**SUPERCEDED BY**  
12.03.07

**NOTES:**

- 1) MATERIAL: AISI 303 SS ROUND BAR PER ASTM A582  
REF DART SPEC M303B0.375 OR  
AISI 304/316 SS ROUND BAR PER ASTM A276  
REF DART SPEC M304R0.375
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT: 0.07 lbs

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CHECKED	A.P.	DRAWING NO.	REV. A
MFG. APPR.		<b>D4576</b>	SHEET 6 OF 7
APPROVED		TITLE	SCALE
DE APPR.		<b>HORIZONTAL LINKAGE ASSY</b>	NTS
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**D4576-11 LINK**

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**NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET, PER AMS 5513 OR AMS 5524, OR MIL-S-5059 (ANNEALED) 2B FINISH  
16 GAUGE (0.063 THICK) (REF. DART SPEC M304S16GA)
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT: 0.009 lbs EACH

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
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CHECKED	A.P.	DRAWING NO. <b>D4576</b>	REV. A
MFG. APPR.	<i>[Signature]</i>	SHEET 7 OF 7	
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	<b>HORIZONTAL LINKAGE ASSY</b>	NTS
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